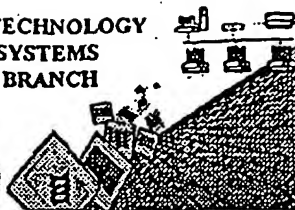


RAW SEQUENCE LISTING
ERROR REPORT



BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/785,168
Source: STFWB
Date Processed by STIC: 9/19/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04



IFWO

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/785,168

DATE: 07/19/2004
 TIME: 11:52:15

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\07152004\J785168.raw

4 <110> APPLICANT: Joseph R. Testa
 5 Yasuhiro Mitsuuchi
 6 Poulikos Poulikakos
 8 <120> TITLE OF INVENTION: MODULATION OF APPL EXPRESSION
 11 <130> FILE REFERENCE: 0149 FCCC 99-04
 13 <140> CURRENT APPLICATION NUMBER: 10/785,168
 14 <141> CURRENT FILING DATE: 2004-02-23
 16 <150> PRIOR APPLICATION NUMBER: PCT/US02/27018
 17 <151> PRIOR FILING DATE: 2002-08-23
 19 <150> PRIOR APPLICATION NUMBER: 60/314,530
 20 <151> PRIOR FILING DATE: 2001-08-23
 22 <160> NUMBER OF SEQ ID NOS: 8
 24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 18
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Artificial Sequence
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: oligonucleotide
 34 <400> SEQUENCE: 1
 35 tccccggcat cgtggcgg
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 16
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Artificial Sequence
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: oligonucleotide
 45 <400> SEQUENCE: 2
 46 gaccttgtct gcgggc
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 21
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: oligonucleotide
 56 <400> SEQUENCE: 3
 57 gtgtgttgct gcacttaatt c
 59 <210> SEQ ID NO: 4
 60 <211> LENGTH: 32
 61 <212> TYPE: DNA
 62 <213> ORGANISM: Artificial Sequence
 64 <220> FEATURE:
 65 <223> OTHER INFORMATION: oligonucleotide

Does Not Comply
 Corrected Diskette Needed
 (p3, 2)

18

16

21

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/785,168

DATE: 07/19/2004

TIME: 11:52:15

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\07152004\J785168.raw

```

67 <400> SEQUENCE: 4
68 gggcagcttg tcatcccccg gcatcgtggc gg 32
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 18
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: oligonucleotide
78 <400> SEQUENCE: 5
79 tgggcggcta cgtgcgcg 18
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 21
83 <212> TYPE: RNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: siRNA
-> 89 <221> NAME/KEY: misc_feature
90 <222> LOCATION: (20)...(21)
91 <223> OTHER INFORMATION: n is thymidine
-> 93 <400> 6
-> 94 gaugccacag cuauuuccan n
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 21
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: siRNA
104 <400> SEQUENCE: 7
105 cagtcgcgtt tgcgactggt t 21
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 93
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: siRNA
115 <400> SEQUENCE: 8
116 aaaaaagtcc actggaagca gctaccaacc aacctcaagc ttcaagtcgg ttgatagctg 60
117 cttccagtag acggtgtttc gtcctttcca caa 93

```

please use "u"
instead of "t" to represent
"N" in a RNA sequence

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/785,168

DATE: 07/19/2004
TIME: 11:52:16

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\07152004\J785168.raw

se Note:

of n and/or Xaa have been detected in the Sequence Listing. Please review the
ence Listing to ensure that a corresponding explanation is presented in the <220>
223> fields of each sequence which presents at least one n or Xaa.

:6; N Pos. 20,21 ✓

VERIFICATION SUMMARY DATE: 07/19/2004
PATENT APPLICATION: US/10/785,168 TIME: 11:52:16

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\07152004\J785168.raw

39 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
33 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0